

FIG. 1

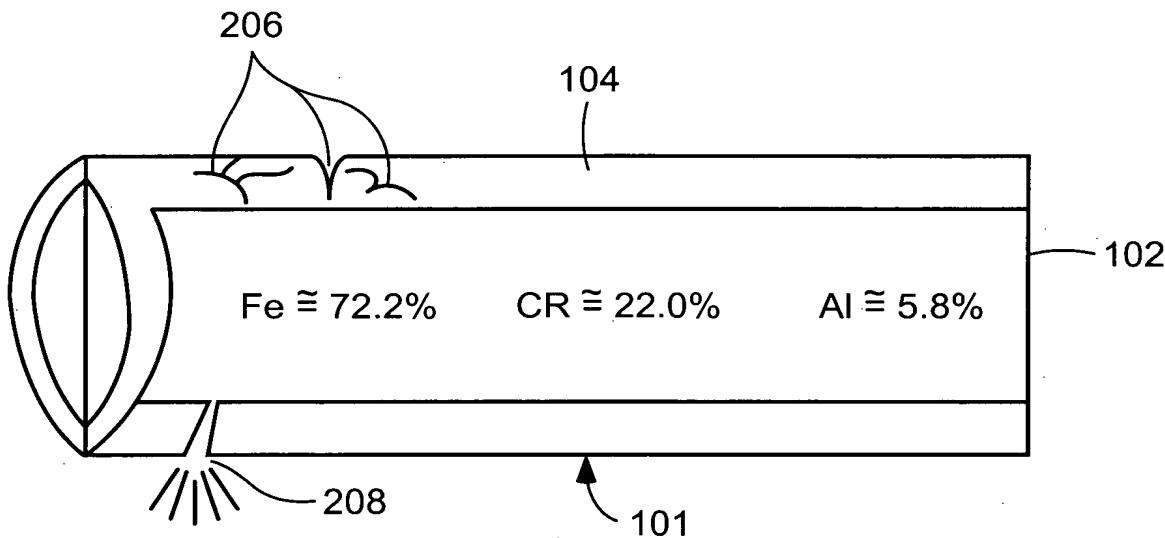


FIG. 2

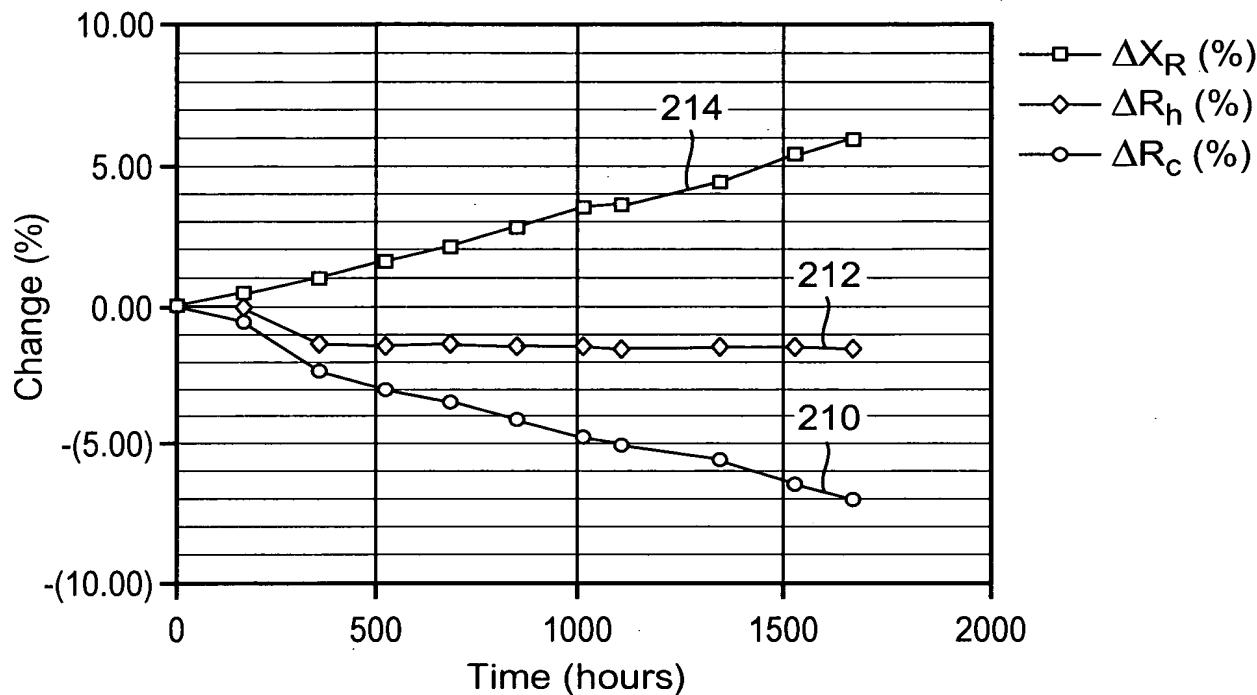


FIG. 2A

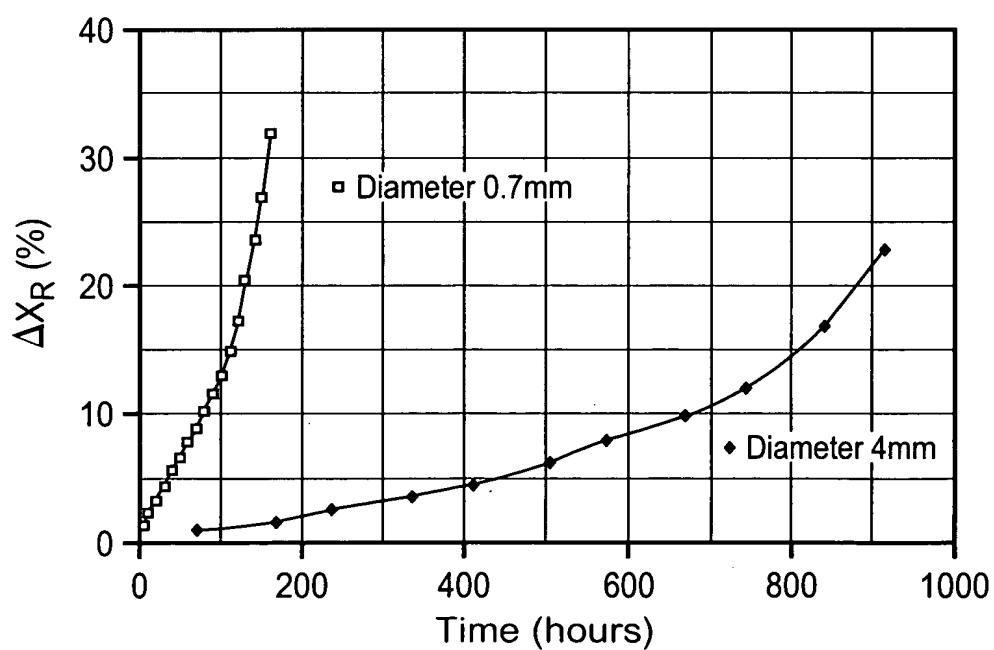


FIG. 2B

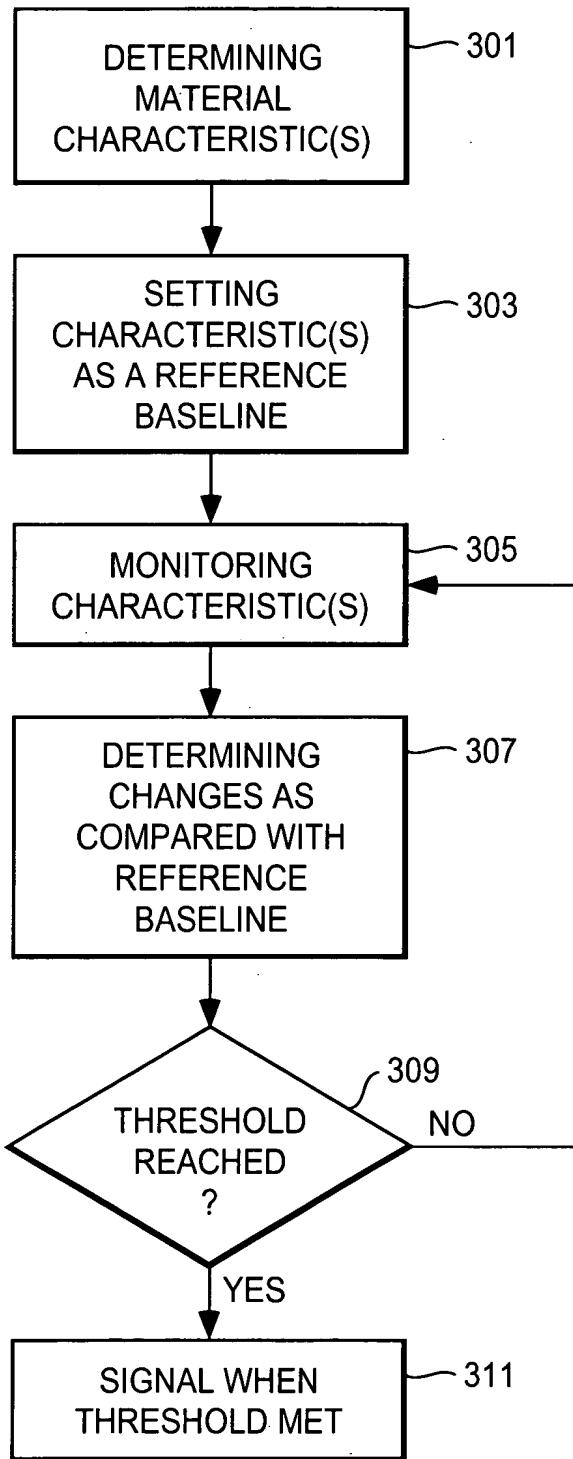


FIG. 3A

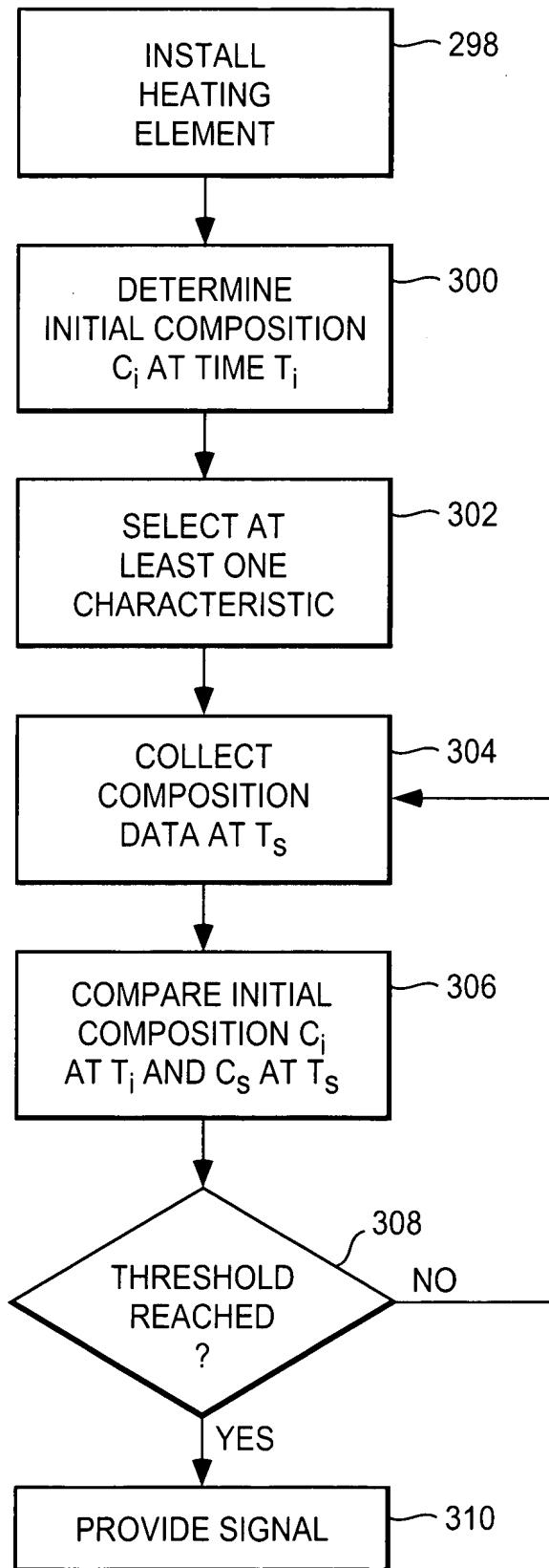


FIG. 3B

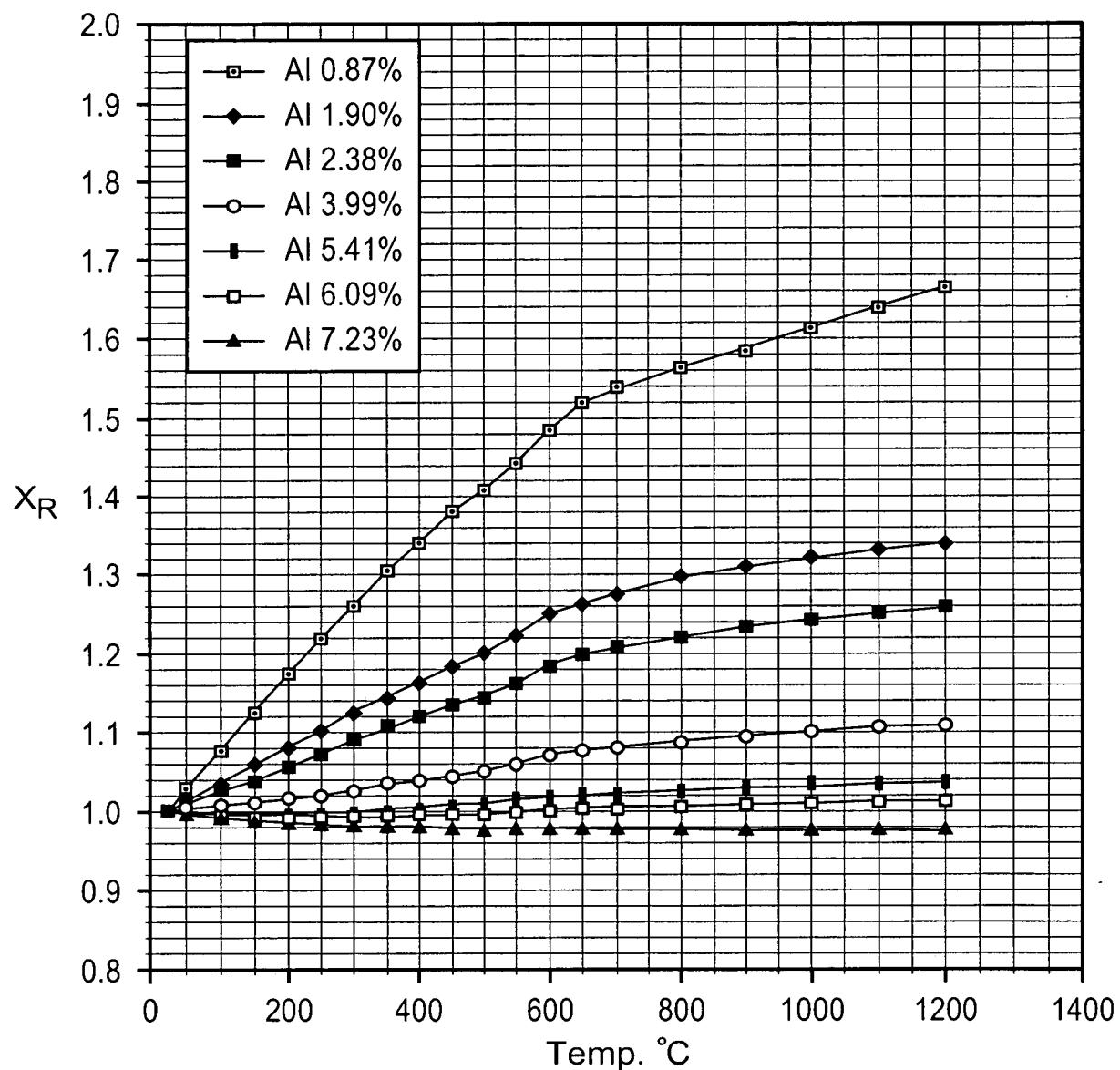


FIG. 3C

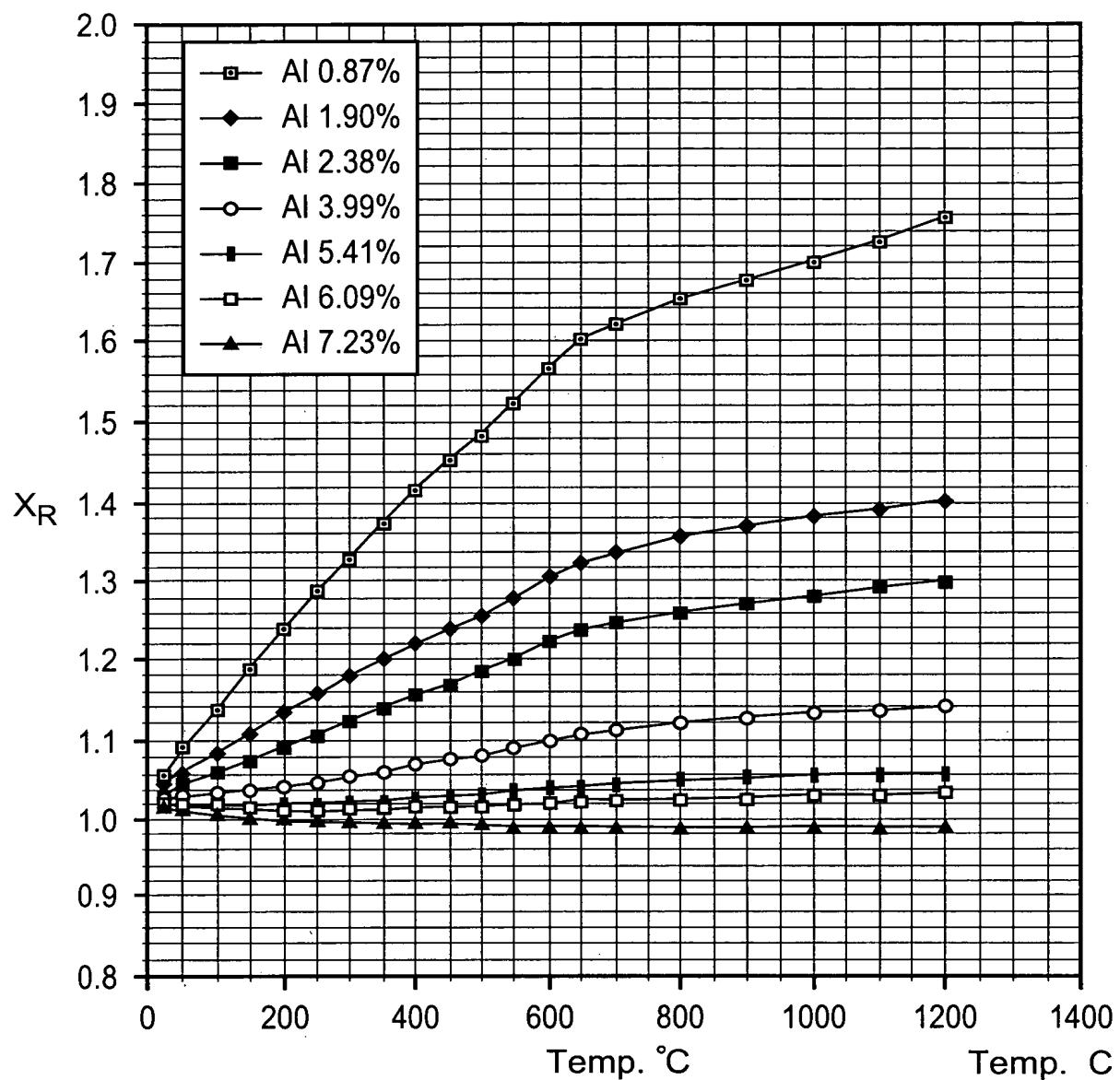


FIG. 3D

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TITLE: HEATING ELEMENT CONDITION MONITOR

INVENTORS: KEVIN B. PECK ET AL.

APPLICATION SERIAL NO: 10/619,561

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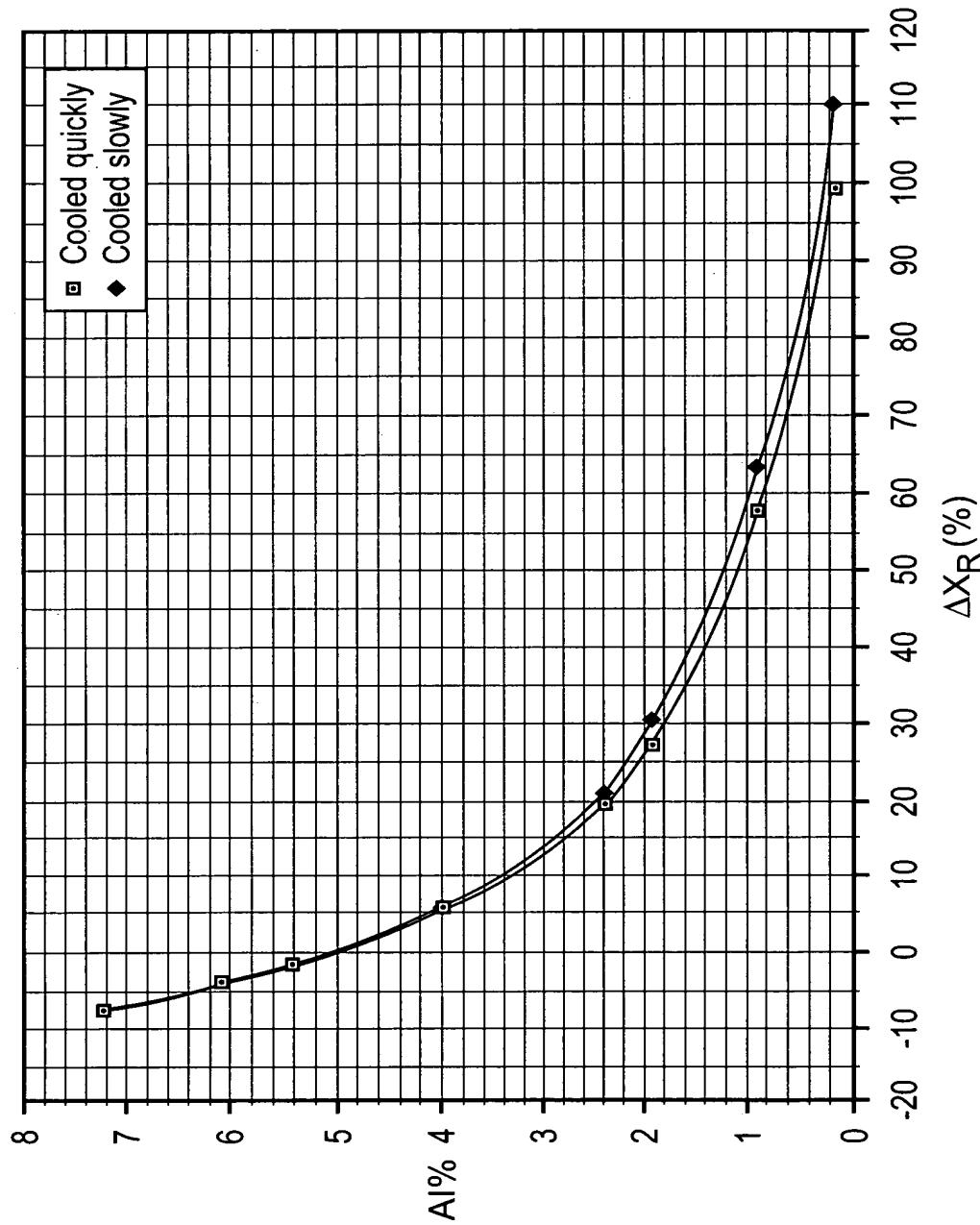


FIG. 3E

Time	Hot Resistance	Cold Resistance	Resistance Ratio	Remaining Alloy
T_1	R_{h1}	R_{c1}	X_{R1}	A_{R1}
T_2	R_{h2}	R_{c2}	X_{R2}	A_{R2}
T_3	R_{h3}	R_{c3}	X_{R3}	A_{R3}
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
T_n	R_{hn}	R_{cn}	X_{Rn}	A_{Rn}

400 402 404 406 408

FIG. 4

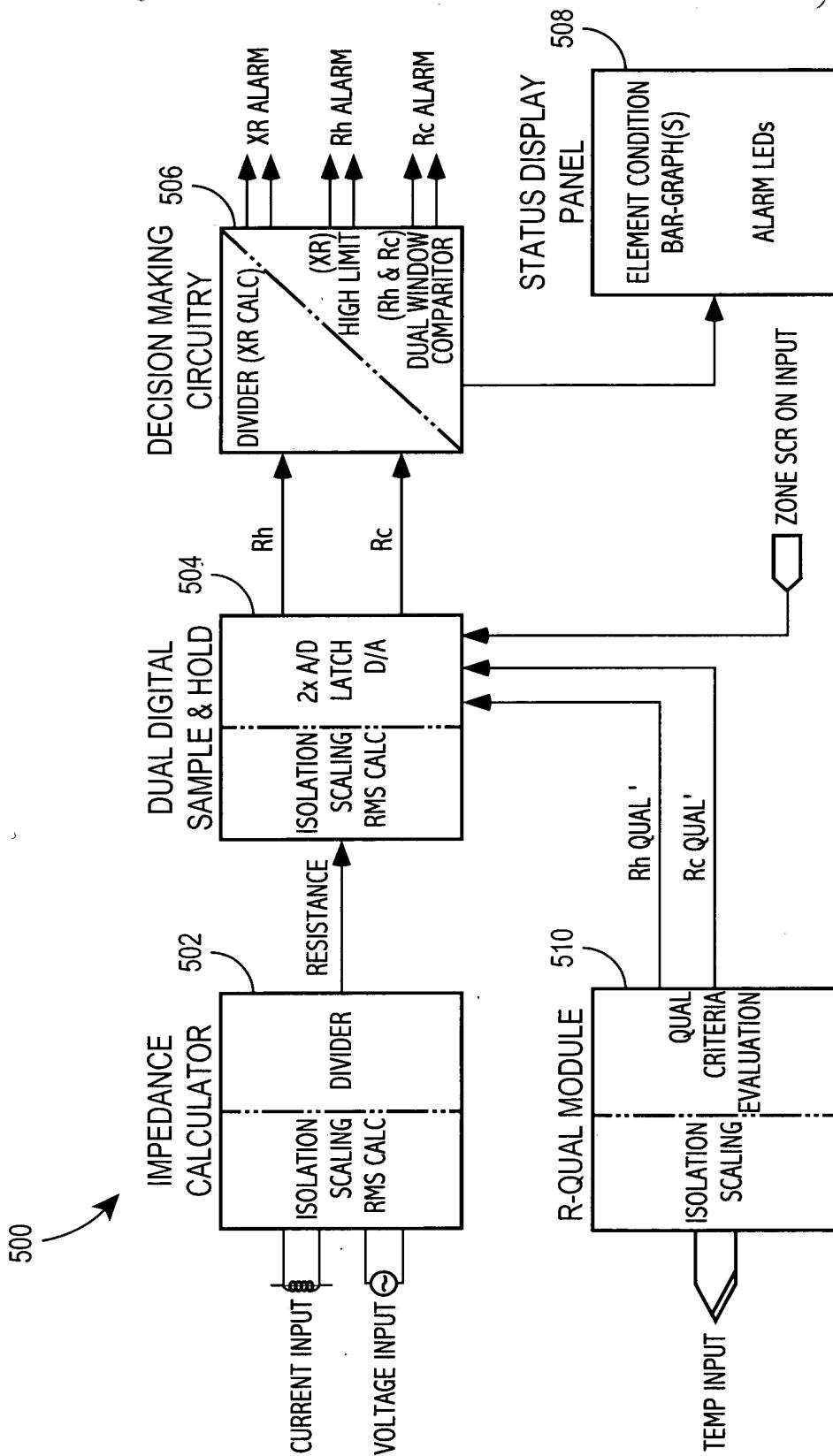


FIG. 5

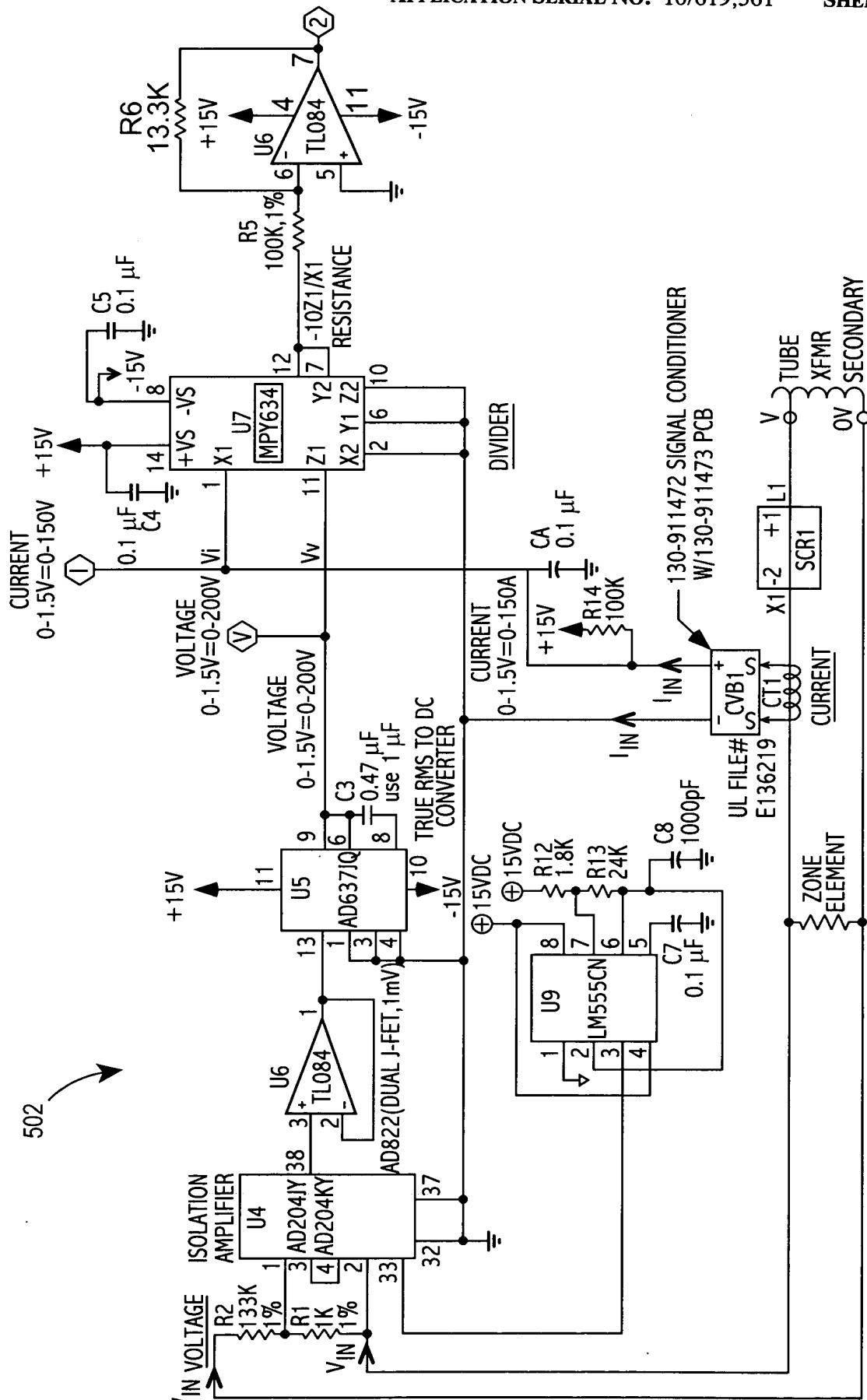


FIG. 6

FIG. 7A

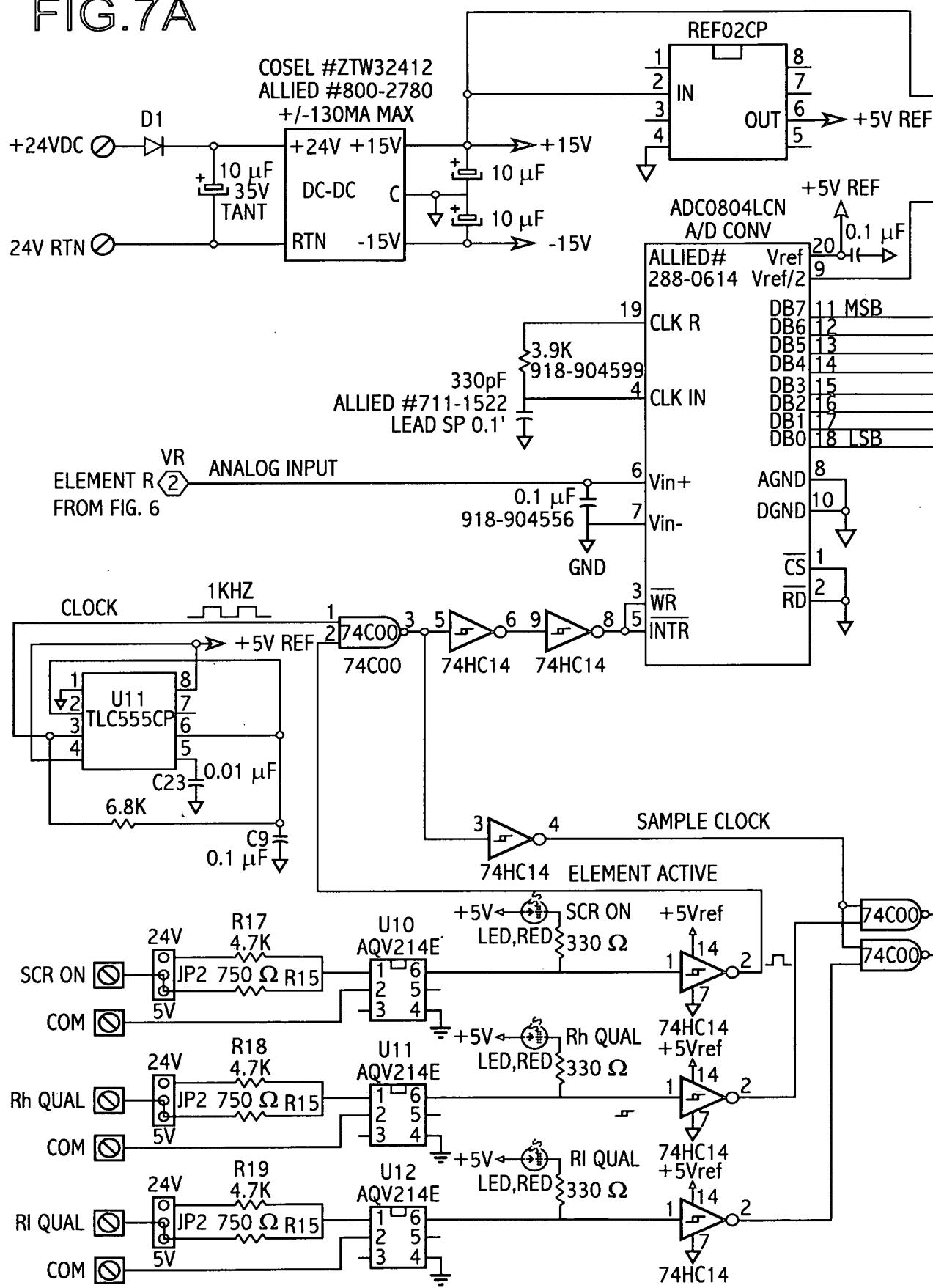
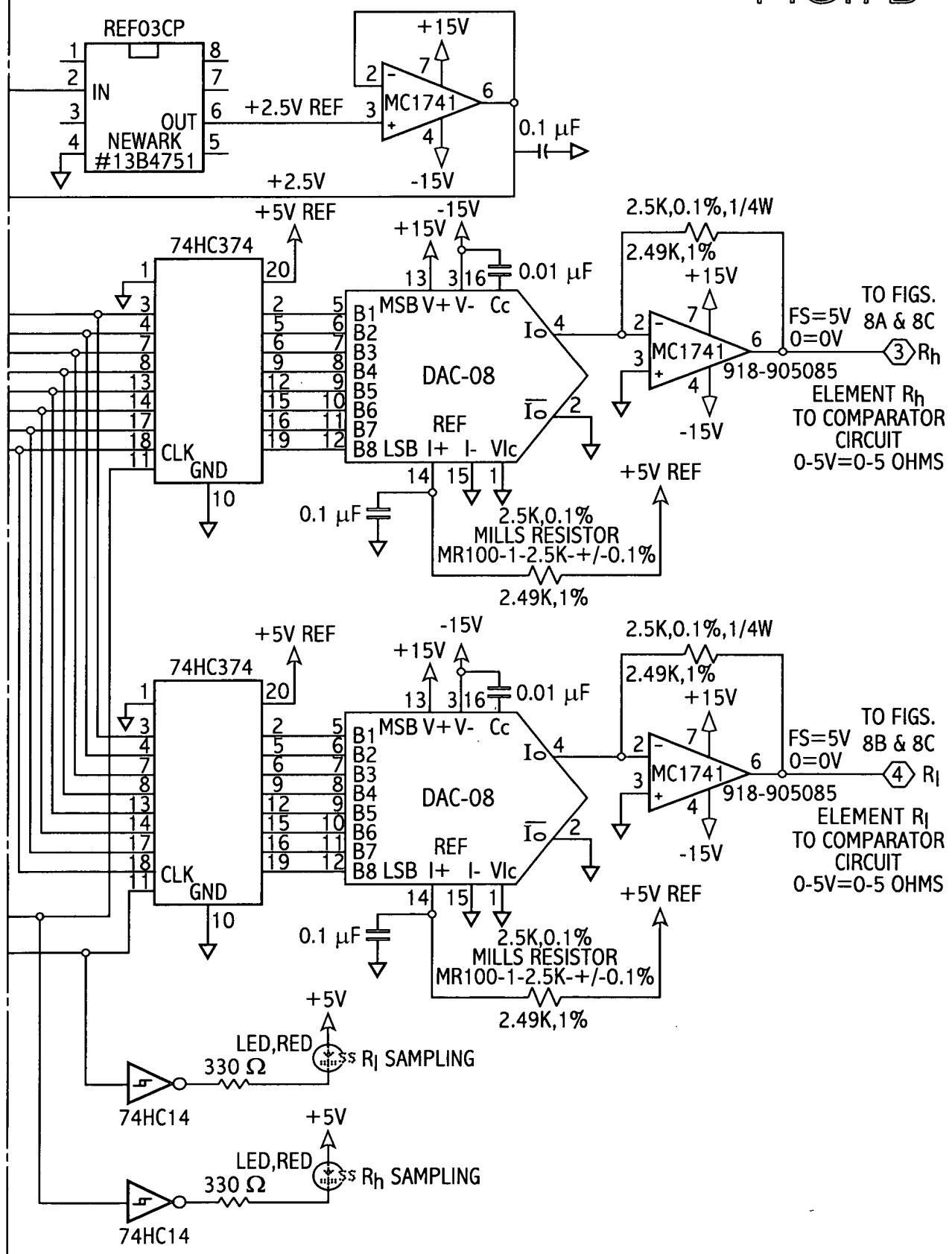


FIG. 7B



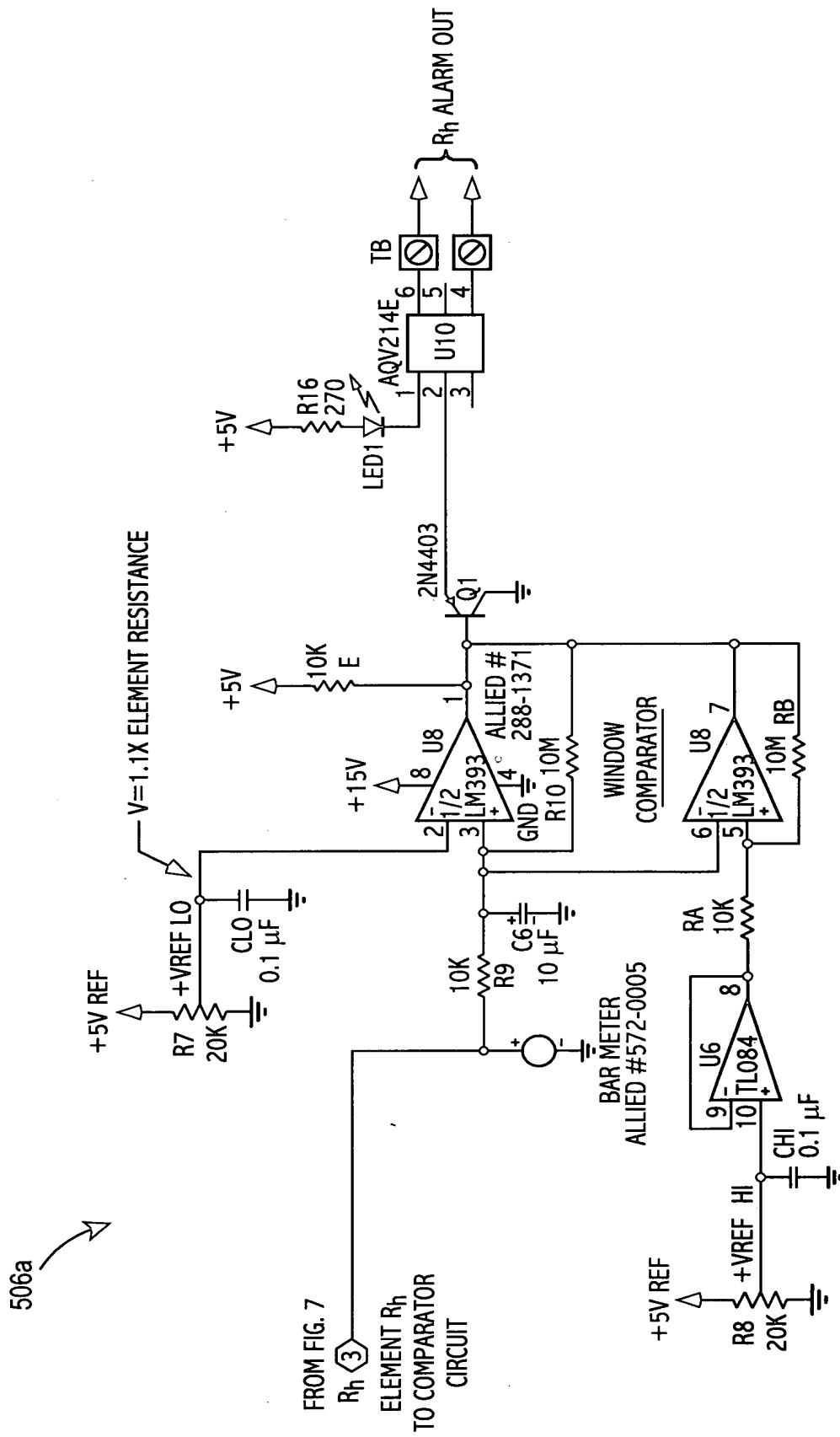


FIG. 8A

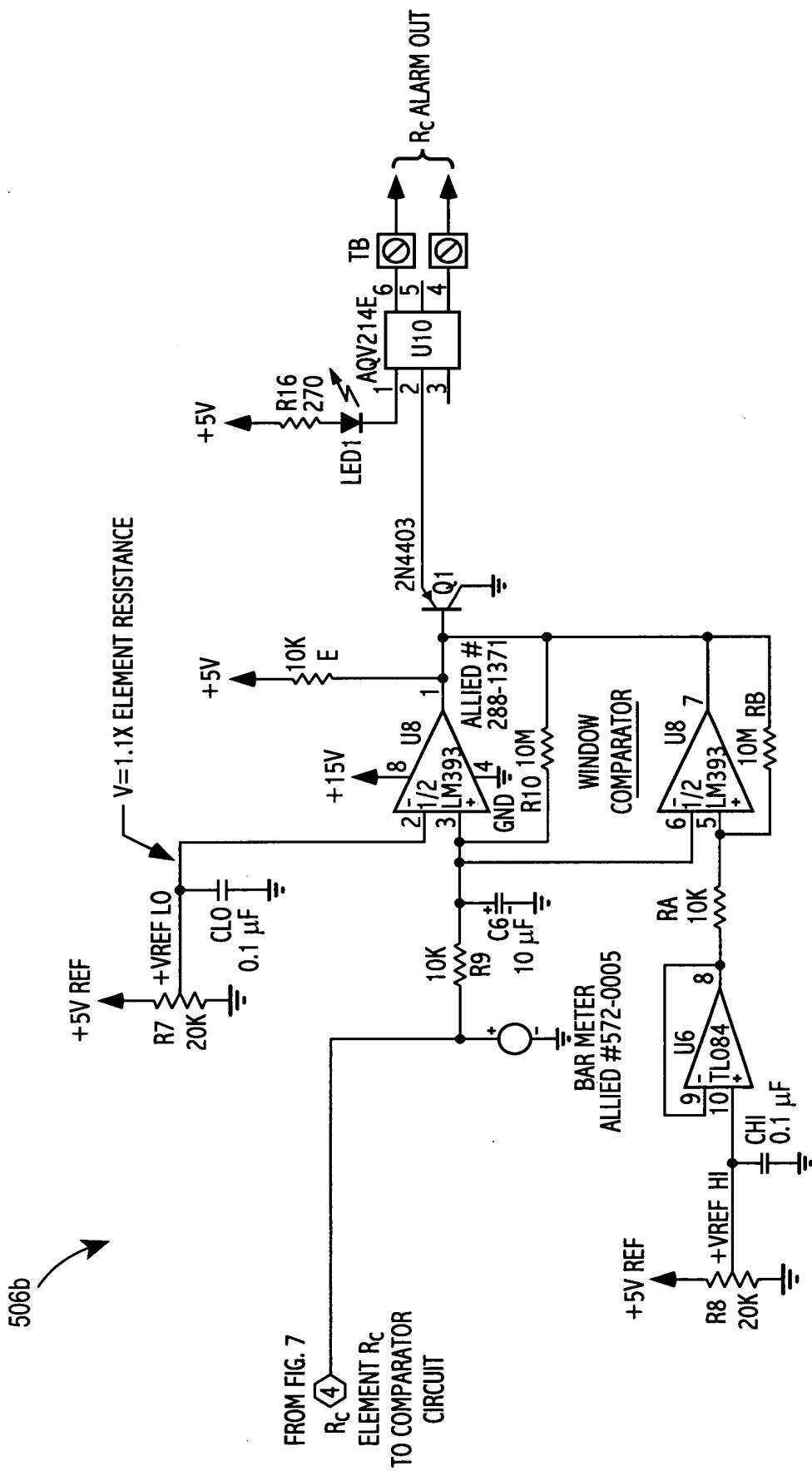
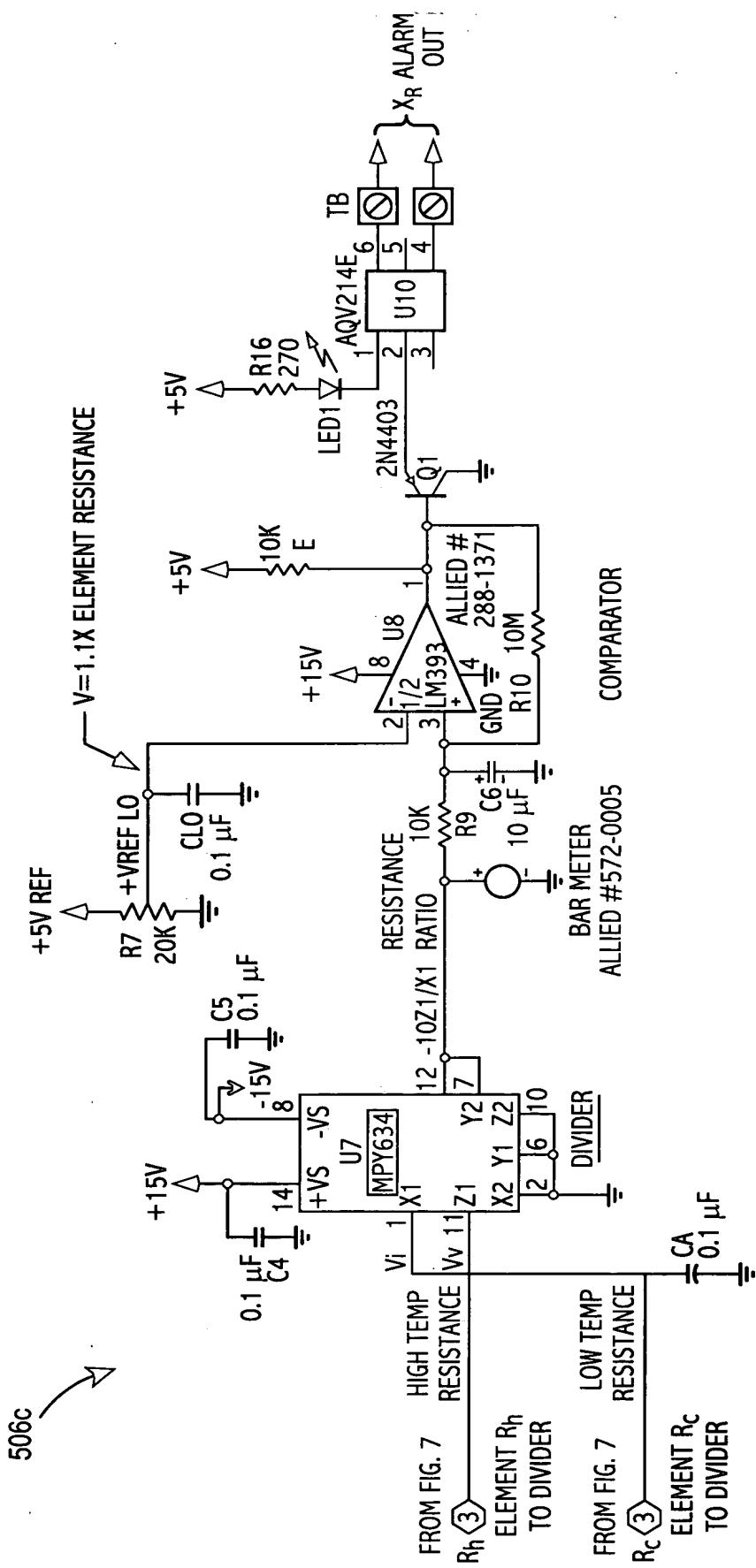


FIG. 8B



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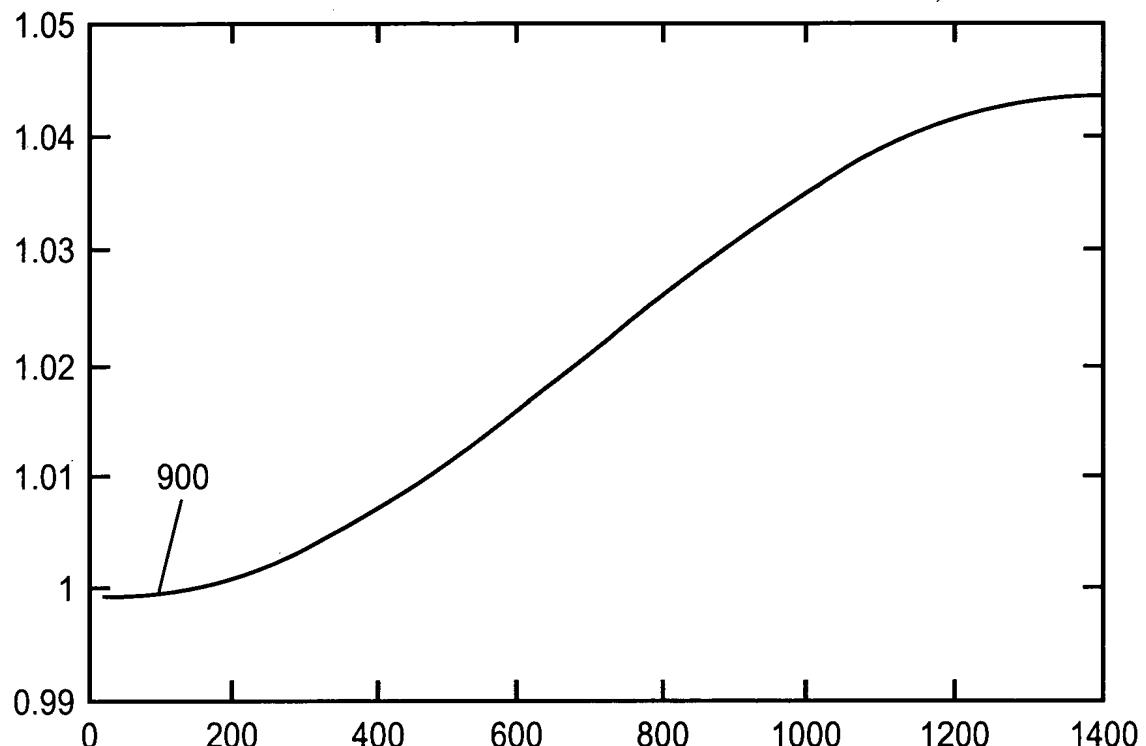


FIG. 9

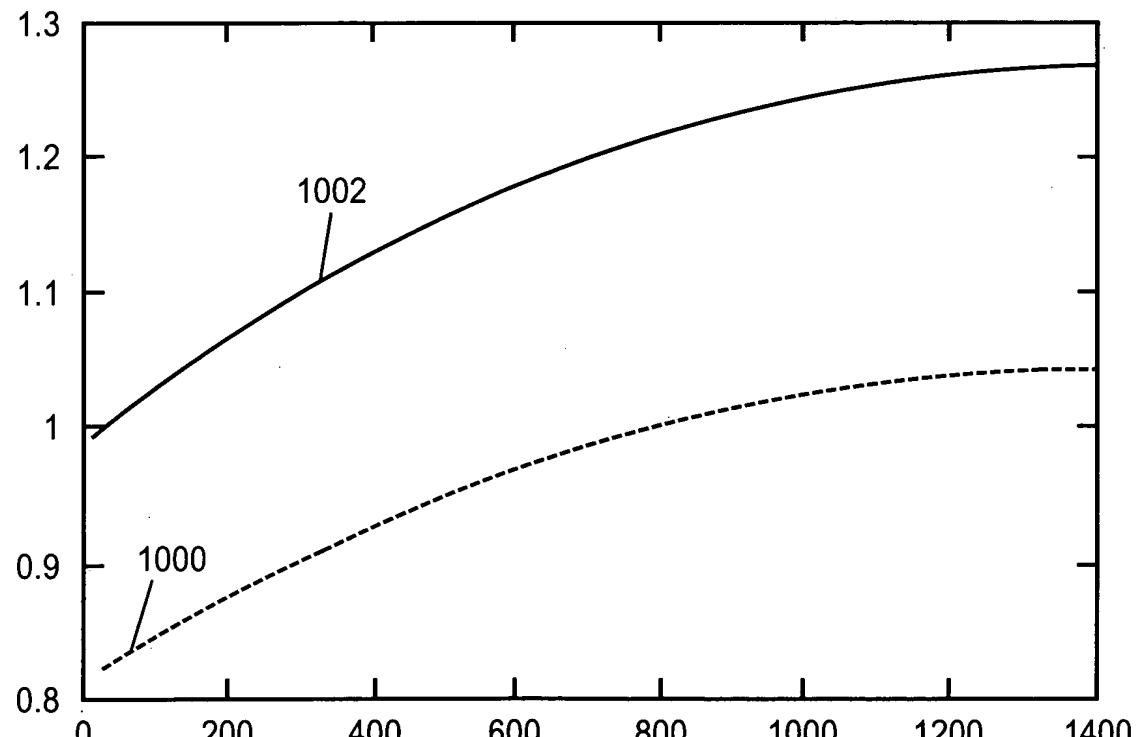


FIG. 10

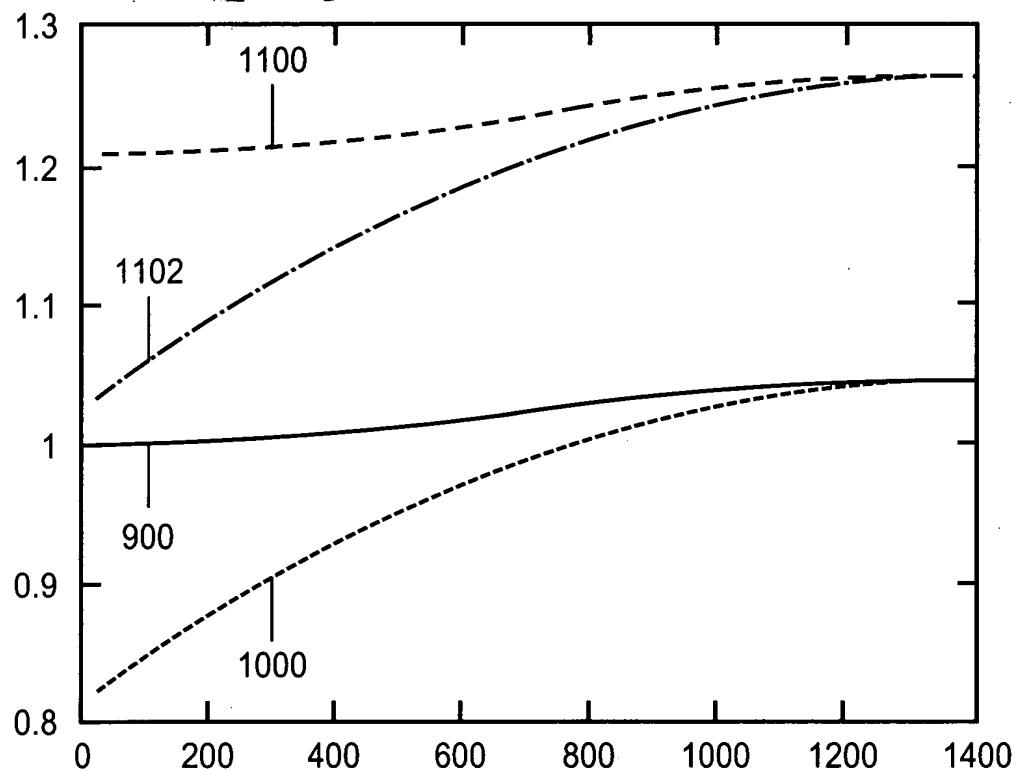


FIG. 11

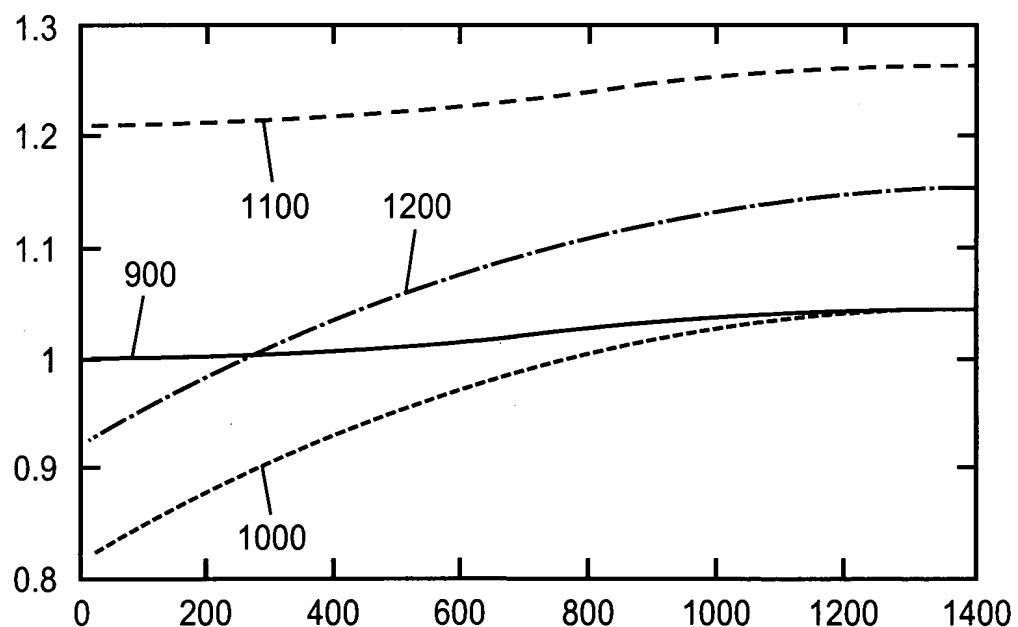


FIG. 12

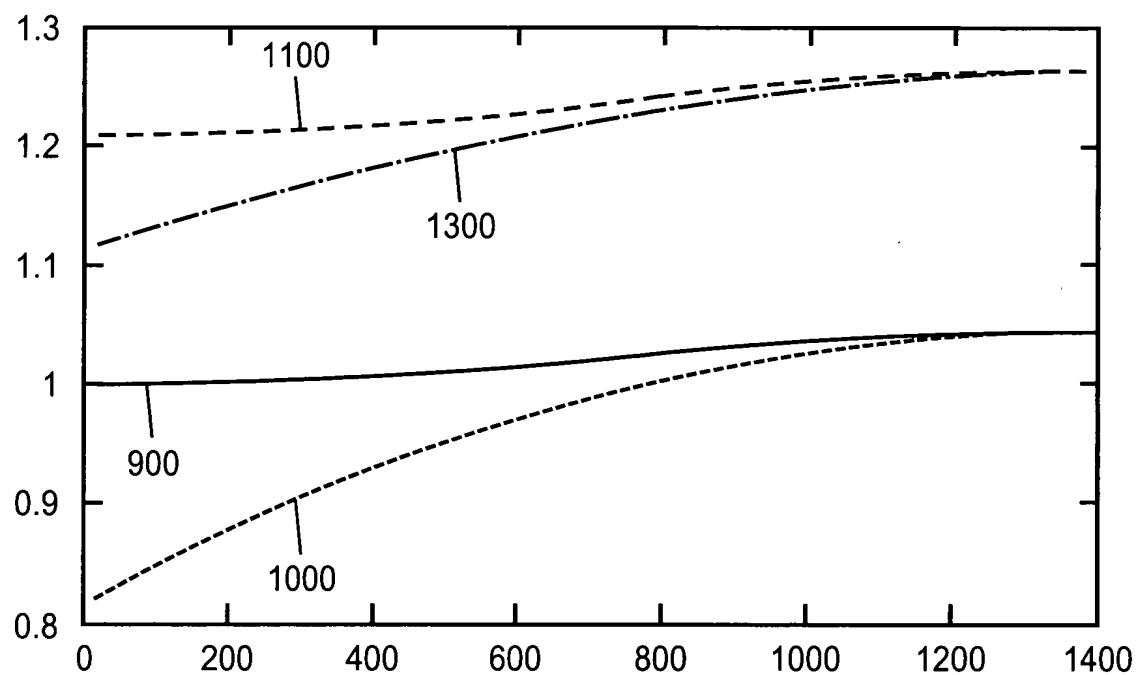


FIG. 13

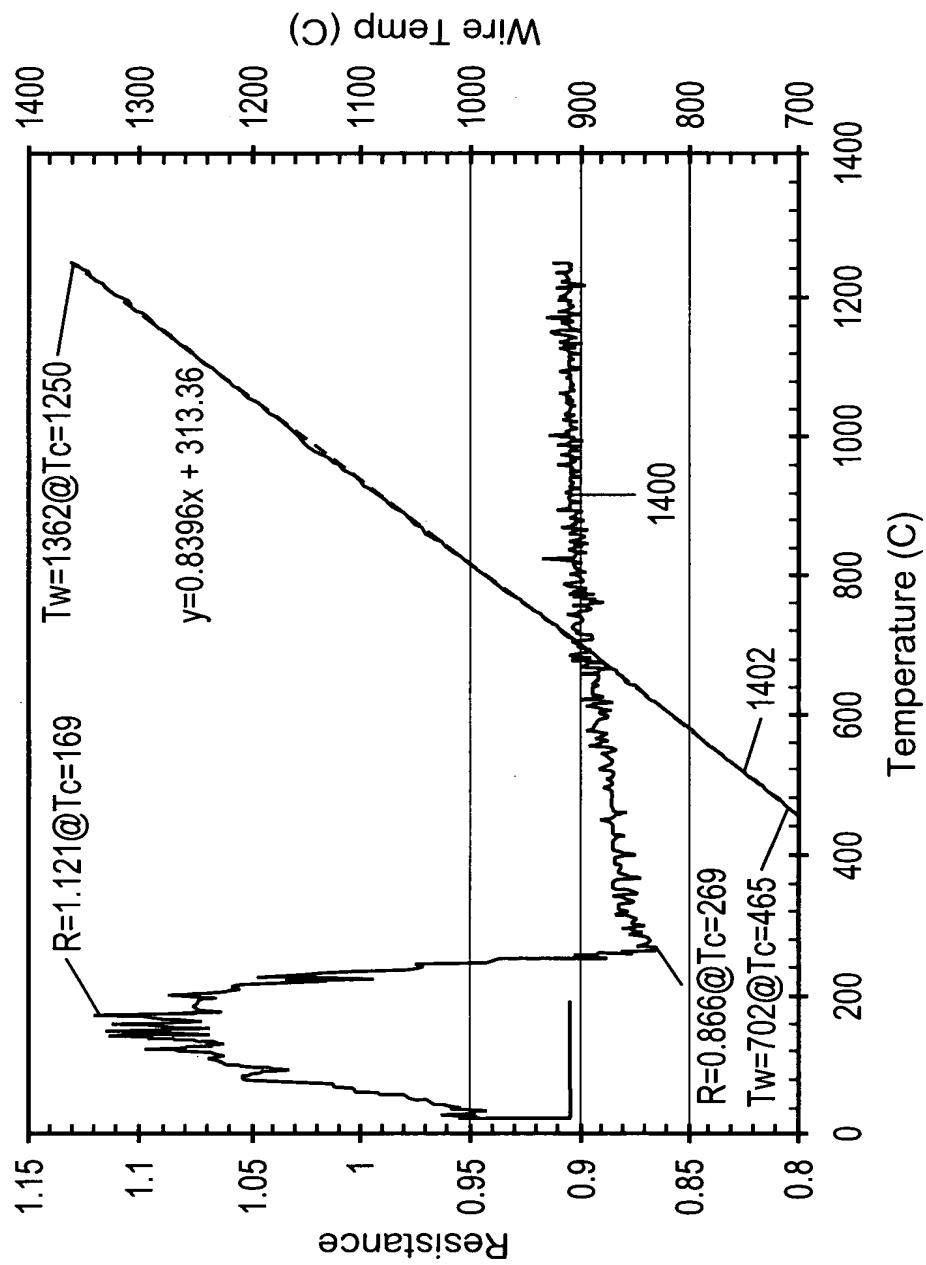


FIG. 14